

BIOS VS. UEFI

INFORMATION SHEET 1.1-6

LEARNING OBJECTIVES

Identify different type and parts of computer

Explain hardware component of a computer.



BIOS

Basic Input/Output System, the BIOS is a ROM chip found on motherboards that allows you to access and set up your computer system at the most basic level.



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The BIOS includes instructions on how to load basic computer hardware. It also includes a test referred to as a POST (Power-On Self-Test) that helps verify the computer meets requirements to boot up properly. If the computer does not pass the POST, you will receive a combination of beeps indicating what is malfunctioning in the computer.

Function OF BIOS

POST - Test the computer hardware and make sure no errors exist before loading the operating system.

BIOS drivers - Low level drivers that give the computer basic operational control over your computer's hardware.

Bootstrap Loader - Locate the operating system. If a capable operating system is located, the BIOS will pass control to it.

BIOS or CMOS Setup - Configuration program that allows you to configure hardware settings including system settings such as computer passwords, time, and date.

Can a BIOS chip be upgraded or updated?

Adding additional memory to a BIOS chip, as an upgrade, can only be done by physically removing it from the motherboard and replacing it with a new, more advanced BIOS chip.

The data on a BIOS chip can be updated if it is a flash BIOS. Using specially designed software, the BIOS can be updated to fix problems or add new features for the motherboard.

thank you!

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0946 448 5036